## **ABSTRACT OF THE INVENTION**

A method for producing sodium bicarbonate from a nahcolite deposit comprising injecting water or other aqueous solution at a temperature of at least 250°F into the deposit, dissolving sodium bicarbonate in the hot water to form a production solution and subjecting the production solution to multiple stages of crystallization. The sodium bicarbonate crystals may be dewatered and dried to form a commercial sodium bicarbonate product.